

Mount Sinai Hospital ANTIBIOGRAM

Intensive Care Units

January 1, 2021 - December 31, 2021

Blood Isolates – % Susceptible

	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid

≥80% Susceptible ■
 70-79% Susceptible ■
 ≤69% Susceptible ■

ALL BACTERIA	164	—	15	20		35	32	29		19	24							51					
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ALL GRAM-NEGATIVE BACTERIA	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
<i>Escherichia coli</i>	17	53	14	47		59	100	94		24	59	59				47		47	88	82	94		
<i>Klebsiella pneumoniae</i>	4	13	0	50		50	100	75		25	75	75				75		100	100	100	100		
<i>Stenotrophomonas maltophilia</i> [†]	3	9															100	100					
<i>Pseudomonas aeruginosa</i>	3	9				100	67					100				100			100	100	100		
<i>Citrobacter freundii</i>	1	3	0	0		0	0	0		0	0	0				0		0	0	0	100		
<i>Enterobacter aerogenes</i>	1	3	0	0		0	100	100		0	0	0				100		100	100	100	100		
<i>Enterobacter cloacae</i>	1	3	0	0		0	100	100		0	0	0				100		100	100	100	100		
<i>Klebsiella oxytoca</i>	1	3	0	0		0	100	100		0	0	0				0		100	100	0	100		
<i>Serratia marcescens</i>	1	3	0	0		0	100	100		0	0	0				100		100	100	100	100		

ALL GRAM-POSITIVE BACTERIA	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
ALL GRAM-POSITIVE BACTERIA	132	100	17	17	5	31	19	19	14	19	20				23	17			49				98
Coagulase-negative staphylococci	82	62				7	7	7	7	7					21	14	86		57				100
<i>Enterococcus faecalis</i>	15	11	100	100		100																	100
<i>Staphylococcus aureus</i> , all isolates	15	11				80	80	80	80	80					73	66	87		93				100
- methicillin-susceptible	12	9				100	100	100	100	100					83	83	100		100				100
- methicillin-resistant (MRSA)	3	2				0	0	0	0	0					33	0	33		67				100
<i>Enterococcus faecium</i> , all isolates	10	8	10	10		10																	90
- vancomycin-susceptible	9	7	11	11		11																	100
- vancomycin-resistant (VRE)	1	1	0	0		0																	0
Viridans group streptococci [‡]	7	5			86						100												100

General Notes:

- Statistical validity of estimates of percent susceptibility for organisms for which there are fewer than 30 isolates reported is limited. Please take this into consideration when interpreting the reported results.
- Some organisms for which there were only very small numbers have been excluded from this report; however the total number of "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" listed includes these organisms.
- Reported susceptibilities for "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" reflect estimates only based on the weighted average of susceptibilities for all organisms included on this report as well as those that have been excluded, with assumptions made for those drugs for which susceptibilities were not tested.
- Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.
- ICUs include MSICU.

Year-Specific Notes:

- Only a limited number of coagulase negative staphylococci isolates were tested for susceptibilities. The vast majority of coagulase-negative staphylococci are susceptible to vancomycin. If you have any questions, please contact the UHN/MSH Department of

Organism-Specific Notes:

- Viridans group streptococci: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting the reported results.
- † S. maltophilia: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

Mount Sinai Hospital ANTIBIOGRAM Intensive Care Units January 1, 2021 - December 31, 2021

Respiratory Isolates – % Susceptible

		<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p>≥80% Susceptible ■</p> <p>70-79% Susceptible ■</p> <p>≤69% Susceptible ■</p> </div> </div>																								
#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin IV (meningitis)	Penicillin IV (non-meningitis)	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftriaxone (meningitis)	Ceftriaxone (non-meningitis)	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	
ALL BACTERIA	84	—	2	9		66	82	55		36	49									73						
ALL GRAM-NEGATIVE BACTERIA	48	100	4	16		55	85	38		4	23			50					64		54	88	68	82		
<i>Pseudomonas aeruginosa</i>	18	38				83	67							83					83			89	89	83		
<i>Stenotrophomonas maltophilia</i>	8	17																	88	100						
<i>Escherichia coli</i>	7	15	0	29		29	100	100		0	43			43					57		57	71	0	100		
<i>Klebsiella pneumoniae</i>	4	8	0	67		50	100	100		50	75			75					75		100	100	100	100		
<i>Enterobacter cloacae</i>	3	6	0	0		0	100	67		0	0			0					67		67	67	67	67		
ALL GRAM-POSITIVE BACTERIA	36	100				78	78	78	78	78	78				83	72					100				100	
<i>Staphylococcus aureus</i> , all isolates	35	97				80	80	80	80	80					83	74	94				100				100	100
- methicillin-susceptible	28	78				100	100	100	100	100					82	82	96				100				100	100
- methicillin-resistant (MRSA)	7	19				0	0	0	0	0					86	43	86				100				100	100
<i>Streptococcus pneumoniae</i>	1	3			0	0							0	100						100					100	

General Notes:

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- Reported susceptibilities for "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" reflect estimates only based on the weighted average of susceptibilities for all organisms included on this report as well as those that have been excluded, with assumptions made for those drugs for which susceptibilities were not tested.
- Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.
- ICUs include MSICU.

Organism-Specific Notes:

- *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

Mount Sinai Hospital ANTIBIOGRAM Intensive Care Units January 1, 2021 - December 31, 2021

Skin, Wound and Abscess Isolates – % Susceptible

	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid

≥80% Susceptible ■
 70-79% Susceptible ■
 ≤69% Susceptible ■

ALL BACTERIA	18	—	39	39	59	71	50		50	59							58						
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ALL GRAM-NEGATIVE BACTERIA	6	100	33	33	60	100	33		33	40	50					33	50	80	80	60			
<i>Escherichia coli</i>	2	33	100	100	100	100	100		100	100	100					50	50	100	100	100			
<i>Pseudomonas aeruginosa</i>	2	33			50	100					50					50		50	100	50			
<i>Klebsiella oxytoca</i>	1	17	0	0	0	100			0	0	0					0		100	100	0			
<i>Stenotrophomonas maltophilia</i> [†]	1	17															100	100					

ALL GRAM-POSITIVE BACTERIA	12	100	42	42	42	58	58	58	17	58	67		50	33			67					100	
<i>Streptococcus anginosus</i> group ^{°°}	5	42			100						100											100	
Coagulase-negative staphylococci	3	25			33	33	33	33	33				33	33	100		67					100	100
<i>Staphylococcus aureus</i> , all isolates	2	17			50	50	50	50	50				100	50	100		100					100	100
- methicillin-susceptible	1	8			100	100	100	100	100				100	100	100		100					100	100
- methicillin-resistant (MRSA)	1	8			0	0	0	0	0				100	0	100		100					100	100
<i>Enterococcus faecium</i>	1	8	0	0	0																	100	
Viridans group streptococci [°]	1	8			0						100											100	

General Notes:

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- Some organisms for which there were only very small numbers have been excluded from this report; however the total number of "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" listed includes these organisms.
- Reported susceptibilities for "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" reflect estimates only based on the weighted average of susceptibilities for all organisms included on this report as well as those that have been excluded, with assumptions made for those drugs for which susceptibilities were not tested.
- Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.
- ICUs include MSICU.

Organism-Specific Notes:

- ° Viridans group streptococci: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting the reported results.
- † *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.
- °° *S. anginosus* group: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting the reported results.

Mount Sinai Hospital ANTIBIOGRAM Intensive Care Units January 1, 2021 - December 31, 2021

Urine Isolates – % Susceptible

≥80% Susceptible ■ 70-79% Susceptible ■ ≤69% Susceptible ■		#	%	Ampicillin	Amoxicillin-Clavulanic acid	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Cephalexin	Ceftriaxone	Ceftazidime	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Nitrofurantoin	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid

ALL BACTERIA	34	—	26	53	61	64	53			3	29	33		3	67	41	79						
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ALL GRAM-NEGATIVE BACTERIA	22	100		41	48	95	77			41	48	50		62	59	77	91	24	57				
<i>Escherichia coli</i>	14	64	0	50	50	100	100			0	50	57	57	57	57	100	86	0	50				
<i>Citrobacter koseri</i>	2	9	0	0	0	100	100			0	0	0	0	100	100	50	100	100	100				
<i>Klebsiella pneumoniae</i>	2	9	0	100	100	100				100	100	100		100	100	50	100						
<i>Citrobacter braakii</i>	1	5	0	0	0	100	100			0	0	0	0	0	0	100	100	100	100				
<i>Klebsiella oxytoca</i>	1	5	0	0	0	0	0			0	0	0	0	0	0	0	100	100	100				
<i>Pseudomonas aeruginosa</i>	1	5			100	100							100		100		100	100	100				
<i>Stenotrophomonas maltophilia</i>	1	5														100	0						

ALL GRAM-POSITIVE BACTERIA	12	100	75	75	83	8	8	8	8	8	8		8	75	8	83						92	
<i>Enterococcus faecalis</i>	9	75	100	100	100									0	100	100						100	
<i>Enterococcus faecium</i> , all isolates	2	17	0	0	0									0	0	0						50	100
- vancomycin-susceptible	1	8	0	0	0									0	0	0						100	100
- vancomycin-resistant (VRE)	1	8	0	0	0									0	0	0						0	100
<i>Staphylococcus aureus</i>	1	8			100	100	100	100	100	100				100		100	100					100	100

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Organism-Specific Notes:

¹ *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.